AMENDMENT

Please replace the paragraph starting on page 1, line 13 with the following.

A1

The subject matter of this application is related to the subject matter in a co-pending non-provisional application by the same inventor as the instant application entitled, "Apparatus for Assisting Video Compression in a Computer System," having serial number 09/048,932, and filing date March 26, 1998.

Please replace the claims with the following:

1   1. (Once Amended) A method for compressing video data in a computer
2   system, comprising:
3   receiving a stream of data from a current video frame in the computer
4   system;
5   computing a difference frame from the current video frame and a previous
6   video frame as the current video frame streams into the computer system, wherein
7   computing the difference frame includes computing the difference frame in a core
8   logic chip within the computer system; and
9   storing the difference frame in a memory in the computer system.

1   2. (Unchanged) The method of claim 1, including storing the current video
2   frame in the memory in the computer system.

1   3. (Unchanged) The method of claim 2, wherein the current video frame is
2   written over a previous video frame in the memory.

1   4. (Unchanged) The method of claim 1, wherein computing the difference

2 frame includes computing an exclusive-OR between the current video frame and

3 the previous video frame.

1   5. (Unchanged) The method of claim 1, wherein computing the difference

2 frame includes computing a difference between a block of data from the current

3 video frame and a block of data from the previous video frame.

1   6. (Unchanged) The method of claim 1, wherein storing the difference

2 frame in memory includes storing the difference frame in the memory using block

3 transfers.

1   7. (Unchanged) The method of claim 1, including compressing the video

2 data using the difference frame to produce compressed video data.

1   8. (Unchanged) The method of claim 1, including performing a color space

2 conversion on the video data.

1   9. (Unchanged) The method of claim 1, including using the video data in

2 compressed form in a video teleconferencing system.

1   10. (Unchanged) The method of claim 1, including storing instructions and

2 data for the computer system in the memory.

Please cancel claim 11 without prejudice.

3

1   12. (Unchanged) The method of claim 1, wherein computing the

2 difference frame includes computing the difference frame in circuitry outside of a

3 central processing unit in the computer system.

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1   13. (Once Amended) A method for compressing video data in a computer

2 system, comprising:

3   receiving a stream of data from a current video frame in the computer

4 system;

5   computing a difference frame from the current video frame and a previous

6 video frame as the current video frame streams into the computer system, wherein

7 computing the difference frame includes computing an exclusive-OR between the

8 current video frame and the previous video frame, and wherein computing the

9 difference frame includes computing the difference frame in a core logic chip

10 within the computer system;

11   storing the difference frame in a memory in the computer system;

12   storing the current video frame in the memory in the computer system; and

13   compressing the video data using the difference frame to produce

14 compressed video data.

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1   14. (Unchanged) The method of claim 13, wherein the current video frame

2 is written over a previous video frame in the memory.

1   15. (Unchanged) The method of claim 13, wherein computing the

2 difference frame includes computing a difference between a block of data from

3 the current video frame and a block of data from the previous video frame.

1   16. (Unchanged) The method of claim 13, wherein storing the difference

2   frame in memory includes storing the difference frame in the memory using block

3   transfers.

1   17. (Unchanged) The method of claim 13, including using the compressed

2   data in a video teleconferencing system.

1   18. (Unchanged) The method of claim 13, including performing a color

2   space conversion on the video data.

1   19. (Unchanged) The method of claim 13, including storing instructions

2   and data for the computer system in the memory.

Please cancel claim 20 without prejudice.

Drawings

Formal drawings are included. No new matter has been added.